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I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: September 14, 2004

Signature: *Jeanne Ryan*
(Jeanne Ryan)

Docket No.: (BBNT-P01-247) 02-4115
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: *BURCHFIELD, Jerry D.*

Application No.: 10/671023

Filed: 9/25/2003

Art Unit:

For: Systems and methods for implementing vector
models for antenna communications

Examiner:

NEW POWER OF ATTORNEY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to the attached "Power of Attorney to Prosecute Applications Before the USPTO", signed by an individual having signature authority for the Assignee (BBNT Solutions LLC) of the above-referenced application, Assignee has granted the following attorneys and agents:

All practitioners at Customer Number 28120
power of attorney to prosecute the above-referenced application before the USPTO.

Dated: September 14, 2004

Respectfully submitted,

By *[Signature]*

Edward A. Gordon

Registration No.: 54,130

ROPES & GRAY LLP

One International Place

Boston, Massachusetts 02110-2624

(617) 951-7000

(617) 951-7050 (Fax)

Attorneys/Agents For Applicant



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POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby appoint:

☒ Practitioners associated with the Customer Number:

28120

OR

☐ Practitioner(s) named below (If more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to me undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

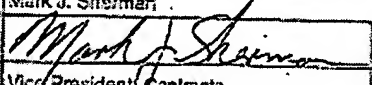
Assignee Name and Address:

BBNT SOLUTIONS LLC
10 Mounten Street
Cambridge, MA 02138

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/98 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Name	Mark J. Sherman	Date	May 18, 2004
Signature		Telephone	(817) 873-5000
Title	Vice President Contracts		



CHANGE OF CORRESPONDENCE ADDRESS Application Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	Application Number	10/671023
	Filing Date	9/25/2003
	First Named Inventor	BURCHFIELD, J.
	Art Unit	N/A
	Examiner Name	
	Attorney Docket No.	BBNT-P01-247

Please change the Correspondence Address for the above-identified application to:

☒ Customer Number: 28120

OR

<input type="checkbox"/> Firm or Individual Name	Edward J. Kelly ROPES & GRAY LLP				
Address	One International Place				
City	Boston	State	MA	Zip	02110-2624
Country	US				
Telephone	(617) 951-7000		Fax	(617) 951-7050	

This form cannot be used to change the data associated with a Customer Number. To change the data associated with an existing Customer Number use "Request for Customer Number Data Change" (PTO/SB/124).

I am the:

- ☐ Applicant/Inventor
- ☐ Assignee of record of the entire interest.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).
- ☒ Attorney or Agent of record. Registration Number 54,130
- ☐ Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number _____

Typed or Printed Name	Edward A. Gordon	
Signature		
Date	September 14, 2004	Telephone (617) 951-7066

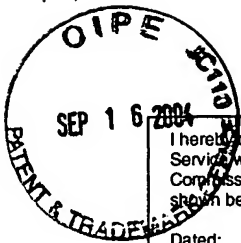
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☐ *Total of 1 forms are submitted.

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Dated: September 14, 2004

Signature:
(James Ryan)



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Dated: September 14, 2004

Signature: *Jane Ryan*
(Jane Ryan)

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In re Patent Application of: *BURCHFIEL, Jerry D.*

Application No.: 10/671023

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For: Systems and methods for implementing vector
models for antenna communications

CHANGE OF ATTORNEY DOCKET NUMBER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Please note that the Attorney Docket Number has been changed from 02-4115 to **BBNT-P01-247**. Please reference **BBNT-P01-247** on all future correspondence.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 18-1945, under Order No. BBNT-P01-247 from which the undersigned is authorized to draw.

Dated: September 14, 2004

Respectfully submitted,

By *J. Gordon*

Edward A. Gordon

Registration No.: 54,130
ROPES & GRAY LLP
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Boston, Massachusetts 02110-2624
(617) 951-7000
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Attorneys/Agents For Applicant